CLAIMS

Sub C6

1. An electroacoustic transducer comprising a case accommodating an armature with at least two armature legs; a coil with an air gap, which coil is fitted with the air gap around one armature leg; a magnetic element with an air gap, which magnetic element is likewise fitted with the air gap around the one armature leg, the air gap of the coil and that of the magnetic element being located in line with each other; a diaphragm; a connecting element which couples a free end of the one armature leg to the diaphragm; and a printed circuit board with terminals for the wires of the coil and for external connections, the coil being attached to the printed circuit board, characterized in that the coil is attached to the printed circuit board by an end face thereof, which is located essentially perpendicularly to the longitudinal axis of the air gap, and that the printed circuit board is provided with an opening which corresponds with the air gap of the coil.

2. An electroacoustic transducer according to claim 1, characterized in that the printed circuit board is further provided with at least one recess adapted to cooperate with at least one other leg of the armature.

3. An electroacoustic transducer according to claim 2, characterized in that the armature is E-shaped, and that the printed circuit board is provided with two recesses, respectively cooperating with an outer leg of the armature.

4. An electroacoustic transducer according to any one of claims 1-3, characterized in that the coil is glued to the printed circuit board.

5. An electroacoustic transducer according to any one of claims 1-4, characterized in that for the purpose of external connections, pins are

connected to the terminal areas on the printed circuit board, which pins project through the wall of the case.

6. A coil construction for an electromagnetic transducer, comprising a coil with an air gap and a printed circuit board with terminals for wires of the coil and external connections, characterized in that the coil is attached to the printed circuit board by an end face thereof which is located essentially perpendicularly to the longitudinal axis of the air gap and that the printed circuit board is provided with an opening which corresponds with the air gap.

7. A coil construction according to claim 6, characterized in that the printed circuit board is provided with at least one recess along the circumferential edge thereof.